

Title (en)
APPARATUS FOR PURIFYING WATER

Title (de)
VORRICHTUNG ZUR REINIGUNG VON WASSER

Title (fr)
APPAREIL DE PURIFICATION DE L'EAU

Publication
EP 2414062 A4 20160302 (EN)

Application
EP 09842734 A 20090715

Priority
• KR 2009003896 W 20090715
• KR 20090029112 A 20090403

Abstract (en)
[origin: WO2010114197A1] An apparatus for purifying water comprises: a cold water unit configured to store cold water therein; an ice making unit configured to make the cold water into ice cubes; a first heat exchanger configured to supply cold air to the ice making unit; and a second heat exchanger configured to supply cold air to the cold water unit. Since the heat exchangers are individually disposed at the cold water unit and the ice making unit, the temperature of the cold water supplied from the cold water unit may be easily controlled. Furthermore, this may allow the cold water to be supplied to a user with a uniform temperature.

IPC 8 full level
F25C 1/08 (2006.01); **F25C 1/04** (2006.01)

CPC (source: EP KR US)
B01D 35/04 (2013.01 - KR); **B67D 1/0861** (2013.01 - EP US); **B67D 1/0868** (2013.01 - EP US); **C02F 9/20** (2023.01 - EP US); **F25C 1/08** (2013.01 - EP US); **F25C 1/22** (2013.01 - KR); **F25C 1/04** (2013.01 - EP US); **F25C 5/10** (2013.01 - EP US); **F25C 2400/04** (2013.01 - EP US); **F25C 2400/14** (2013.01 - EP US); **F25D 2323/121** (2013.01 - EP US)

Citation (search report)
• [X] US 2007119193 A1 20070531 - DAVIS MATTHEW W [US], et al
• [X] US 5484538 A 19960116 - WOODWARD MARK S [US]
• [IY] KR 100853445 B1 20080821 - JOUNG WHI DONG [KR]
• [Y] US 2008156022 A1 20080703 - LECLEAR DOUGLAS D [US], et al
• [Y] CN 201119766 Y 20080924 - SUZHOU SMART REFRIGERATING EQU [CN]
• [Y] JP 2002340457 A 20021127 - SANYO ELECTRIC CO, et al
• See references of WO 2010114197A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)
WO 2010114197 A1 20101007; CN 102413894 A 20120411; EP 2414062 A1 20120208; EP 2414062 A4 20160302;
KR 20100110663 A 20101013; US 2012017627 A1 20120126

DOCDB simple family (application)
KR 2009003896 W 20090715; CN 200980158947 A 20090715; EP 09842734 A 20090715; KR 20090029112 A 20090403;
US 200913262459 A 20090715